

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 6, 2005, 09:13:40 ; Search time 6678 Seconds
(without alignments)
2044.696 Million cell updates/sec

Title: US-09-909-317-5
Perfect score: 2085
Sequence: 1 cttagggatgatatagtcgtc.....cgggcgcgtgcgcgcgggg 2085

Scoring table:
OLIGO_NUC.
Gapop 60.0 , Gapext 60.0

Searched: 7338684 seqs, 3274456166 residues

Word size : 0

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : Published Applications NA.*

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15: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
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19: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:*
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24: /cgn2_6/ptodata/2/pubpna/US11A_NEW_PUB.seq:*
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26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2085	100.0	2085	11	US-09-909-317-5
2	406	19.5	844	13	US-10-027-632-154183
3	406	19.5	844	17	US-10-027-632-154183
4	175	8.4	335	19	US-10-283-975A-327
5	175	8.4	370	20	US-10-723-860-2326
6	175	8.4	394	10	US-09-918-995-5037
7	175	8.4	398	9	US-09-960-253-117

8	175	8.4	521	9	US-09-833-790-349	Sequence 349, App
9	175	8.4	665	9	US-09-960-253-107	Sequence 107, App
10	175	8.4	722	9	US-09-960-253-106	Sequence 106, App
11	175	8.4	3686	15	US-10-084-817-316	Sequence 316, App
12	175	8.4	3859	14	US-09-864-864-300	Sequence 300, App
13	175	8.4	3859	14	US-10-097-340-3	Sequence 3, App1
14	175	8.4	3859	14	US-10-163-887A-3	Sequence 3, App1
15	175	8.4	3861	17	US-10-334-143-100	Sequence 100, App
16	175	8.4	4100	20	US-10-723-860-6526	Sequence 6526, App
17	136	6.5	396	16	US-10-181-447A-43	Sequence 43, App1
18	126	6.0	3640	9	US-09-292-758-144	Sequence 144, App
19	124	5.9	3795	15	US-10-171-581-124	Sequence 124, App
20	120	5.8	3045	16	US-10-369-378-24	Sequence 24, App1
21	120	5.8	3045	16	US-10-199-937-136	Sequence 136, App
22	89	4.3	385	9	US-09-925-300-831	Sequence 831, App
23	71	3.4	3200	16	US-10-369-378-46	Sequence 46, App1
24	71	3.4	3308	16	US-10-199-937-177	Sequence 177, App
25	52	2.5	3526	13	US-10-087-192-370	Sequence 170, App
26	47	2.3	11614	22	US-10-737-082-82	Sequence 82, App1
27	47	2.3	11614	22	US-10-765-790-82	Sequence 82, App1
28	46	2.2	50002	13	US-10-087-192-994	Sequence 994, App
29	46	2.2	64183	20	US-10-684-422-201	Sequence 201, App
30	46	2.2	121600	20	US-10-723-860-1125	Sequence 1125, App
31	46	2.2	121600	22	US-10-756-149-1098	Sequence 1098, App
32	45	2.2	563	13	US-10-027-632-185250	Sequence 185250, App
33	45	2.2	563	17	US-10-027-632-185250	Sequence 121754, App
34	45	2.2	563	13	US-10-027-632-121754	Sequence 121754, App
35	45	2.2	681	13	US-10-027-632-121755	Sequence 121755, App
36	45	2.2	681	17	US-10-027-632-121754	Sequence 121754, App
37	45	2.2	681	17	US-10-027-632-121755	Sequence 121755, App
38	45	2.2	775	18	US-10-276-774-600	Sequence 600, App
39	45	2.2	10619	14	US-10-239-676-1	Sequence 1, App1
40	45	2.2	10619	15	US-10-311-455-43	Sequence 43, App1
41	45	2.2	10619	15	US-10-240-453-1	Sequence 1, App1
42	45	2.2	10619	18	US-10-240-589C-1	Sequence 1, App1
43	45	2.2	30175	9	US-09-738-878-3	Sequence 3, App1
44	45	2.2	30175	13	US-10-163-381-3	Sequence 3, App1
45	45	2.2	98345	21	US-10-461-862-136	Sequence 136, App
46	45	2.2	174448	13	US-10-087-192-148	Sequence 148, App
47	44	2.1	432	19	US-10-674-124A-232	Sequence 232, App
48	44	2.1	443	10	US-09-918-995-37206	Sequence 37206, App
49	44	2.1	1613	9	US-09-822-830A-138	Sequence 138, App
50	44	2.1	2866	17	US-10-094-749-1151	Sequence 1151, App
51	44	2.1	10619	14	US-10-239-676-2	Sequence 2, App1
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53	44	2.1	10619	15	US-10-240-453-2	Sequence 2, App1
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55	44	2.1	33191	17	US-10-074-024-446	Sequence 446, App
56	44	2.1	68495	19	US-10-322-281-750	Sequence 750, App
57	44	2.1	79528	20	US-10-723-860-2621	Sequence 2621, App
58	44	2.1	79528	22	US-10-756-149-2427	Sequence 2427, App
59	44	2.1	104451	19	US-10-322-281-82	Sequence 82, App1
60	44	2.1	145549	22	US-10-764-425-9	Sequence 9, App1
61	44	2.1	145549	15	US-10-017-128-1	Sequence 1, App1
62	43	2.1	314	19	US-10-674-124A-1269	Sequence 1269, App
63	43	2.1	2208	13	US-10-027-632-103621	Sequence 103621, App
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65	43	2.1	2252	19	US-10-741-601-261	Sequence 261, App
66	43	2.1	2252	21	US-10-741-600-745	Sequence 745, App
67	43	2.1	3108	20	US-10-881-088-26	Sequence 26, App1
68	43	2.1	5204	17	US-10-116-675-303	Sequence 303, App
69	43	2.1	16914	19	US-10-741-601-5698	Sequence 5698, App
70	43	2.1	16914	21	US-10-741-601-17777	Sequence 17777, App
71	43	2.1	32148	10	US-09-764-891-6906	Sequence 6906, App
72	43	2.1	125042	13	US-10-087-192-1240	Sequence 1240, App
73	43	2.1	141121	21	US-10-741-600-17651	Sequence 17651, App
74	43	2.1	207433	17	US-10-277-216-5	Sequence 5, App1
75	43	2.1	227968	20	US-10-723-860-1357	Sequence 1357, App
76	43	2.1	227968	20	US-10-719-993-6856	Sequence 6856, App
77	43	2.1	233528	19	US-10-322-696-34	Sequence 34, App1
78	42	2.0	469	22	US-10-756-149-1092	Sequence 1092, App
79	42	2.0	496	13	US-10-027-632-56952	Sequence 56952, App
80	42	2.0	496	13	US-10-027-632-56952	Sequence 56952, App

81 42 2.0 496 17 US-10-027-632-56952 Sequence 56952, A
C 82 42 2.0 497 13 US-10-027-632-4168 Sequence 4168, Ap
C 83 42 2.0 497 17 US-10-027-632-4168 Sequence 4168, Ap
84 42 2.0 531 17 US-10-242-535A-44957 Sequence 44957, A
85 42 2.0 531 18 US-10-085-783A-44957 Sequence 44957, A
C 86 42 2.0 556 9 US-09-878-134-35 Sequence 35, Appl
C 87 42 2.0 580 13 US-10-027-632-281952 Sequence 281952, A
C 88 42 2.0 580 17 US-10-027-632-281952 Sequence 281952, A
90 42 2.0 675 13 US-10-027-632-136997 Sequence 136997, A
90 42 2.0 675 17 US-10-027-632-136997 Sequence 136997, A
91 42 2.0 799 13 US-10-027-632-163036 Sequence 163036, A
92 42 2.0 799 13 US-10-027-632-163036 Sequence 163036, A
93 42 2.0 799 13 US-10-027-632-163038 Sequence 163038, A
94 42 2.0 799 17 US-10-027-632-163036 Sequence 163036, A
95 42 2.0 799 17 US-10-027-632-163037 Sequence 163037, A
96 42 2.0 799 17 US-10-027-632-163038 Sequence 163038, A
C 97 42 2.0 1638 15 US-10-037-270-810 Sequence 810, App
C 98 42 2.0 1638 17 US-10-117-722-810 Sequence 810, App
C 99 42 2.0 2659 20 US-10-723-860-5613 Sequence 5613, App
100 42 2.0 5210 18 US-10-425-114-26845 Sequence 26845, A

ALIGNMENTS

RESULT 1
US-09-909-317-5
; Sequence 5, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Roeder (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; PRIOR FILING DATE: 2001-07-18
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match 100.0%; Score 2085; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2085; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTAGGATGATATAGTTGTCACACCAAGATGCGATGATCATGCTTTTGACTTGCTCA 60
Db 1 TTTAGGATGATATAGTTGTCACACCAAGATGCGATGATCATGCTTTTGACTTGCTCA 60
QY 61 TTCTCTAGTAAACTTTTATTTTGTTCATATATTTTCCACTTATTTCTGTTACTTCA 120
Db 61 TTCTCTAGTAAACTTTTATTTTGTTCATATATTTTCCACTTATTTCTGTTACTTCA 120
QY 121 AAATATCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 180
Db 121 AAATATCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 180
QY 181 TGGCATTATCATGCTCAACAGCTCAACCTTCAAGGCTCAAGTATCTTCCACATTC 240
Db 181 TGGCATTATCATGCTCAACAGCTCAACCTTCAAGGCTCAAGTATCTTCCACATTC 240
QY 241 AGCTCCCGAGTATAGTGGAGCTCAAGGCACTTGCACACCTCCAGCTAATTTTGTAGA 300
Db 241 AGCTCCCGAGTATAGTGGAGCTCAAGGCACTTGCACACCTCCAGCTAATTTTGTAGA 300
QY 301 GACAAAGTTTGGCATGTTGTCAGGCTGTCCTGAATCTCTGGGCTCAAGGAGTTCGGGC 360
Db 301 GACAAAGTTTGGCATGTTGTCAGGCTGTCCTGAATCTCTGGGCTCAAGGAGTTCGGGC 360

Db 301 GACAAAGTTTGGCATGTTGTCAGGCTGTCCTGAATCTCTGGGCTCAAGGAGTTCGGGC 360
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Db 361 CACCTCAGCTCCCAAGATGCTAGATTTATAGGATGAGCAGTGTGCCAGCTTACTT 420
QY 421 CAACGATCTCACTGTTTACTTAACTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 480
Db 421 CAACGATCTCACTGTTTACTTAACTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 480
QY 481 TTAATCAACCTCTGCTCTTAAAGCAGTATGCTTCTTATTTTATTTTATTTTATTTTATTTTATTT 540
Db 481 TTAATCAACCTCTGCTCTTAAAGCAGTATGCTTCTTATTTTATTTTATTTTATTTTATTTTATTT 540
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QY 601 AAAGCAGCTCATGTTTAACTTTTGAATGAAAAAATGCAATGATTTAGAAAG 660
Db 601 AAAGCAGCTCATGTTTAACTTTTGAATGAAAAAATGCAATGATTTAGAAAG 660
QY 661 AAACCAATTTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACT 720
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Db 721 GCCAGGTGATGCTGCTATGCTGCTATGCTGCTATGCTGCTATGCTGCTATGCTGCTATGCTGCTATGCTGCT 780
QY 781 TGCTTGAAGGCTGAGGGGTTCAAGACCAAGCTGCGCAATGAGAGATTTCCCATCTCTTT 840
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Db 1081 CGACGGTCTGTGAGCGGCAAGTTAGAACCGCTCCAGAGCAGAGGCTGAGACTTAC 1140
QY 1141 TGCAGGGTCACTCTGGGCAATCAACTATATTTCCGAGGCGGGGCTTCCCGG 1200
Db 1141 TGCAGGGTCACTCTGGGCAATCAACTATATTTCCGAGGCGGGGCTTCCCGG 1200
QY 1201 ACCAGGTGCTCTCAGGGGAGAGAGACACTTAAAGATTTGGGGCGGGGCTGTAGCT 1260
Db 1201 ACCAGGTGCTCTCAGGGGAGAGAGACACTTAAAGATTTGGGGCGGGGCTGTAGCT 1260
QY 1261 CATGCCCTGATCCAGCACTTGGAGGCTGAGGCGTGAAGATCACTTTAGCAGAGT 1320
Db 1261 CATGCCCTGATCCAGCACTTGGAGGCTGAGGCGTGAAGATCACTTTAGCAGAGT 1320
QY 1321 TTGAGACCACTAGCAACTTGGGAGACCTGTCTTAAATAATTTTATTTTATTTTATTTTATTTTATTTTATTT 1380
Db 1321 TTGAGACCACTAGCAACTTGGGAGACCTGTCTTAAATAATTTTATTTTATTTTATTTTATTTTATTTTATTT 1380
QY 1381 AGCCAGTTTGGTGAAGGCTGTGATCCAGACTCTGAGGAGCTGAGGAGGAGTTCG 1440
Db 1381 AGCCAGTTTGGTGAAGGCTGTGATCCAGACTCTGAGGAGCTGAGGAGGAGTTCG 1440

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OY 1441 CTGGGCTCAGAGATTCCAGATGTCAGTATGATGAGGCACTGCACTTCAGCGCG 1500
DB 1441 CTGGGCTCAGAGATTCCAGATGTCAGTATGATGAGGCACTGCACTTCAGCGCG 1500
OY 1501 TGAGACTCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTTAAATTAATTGTAATC 1560
DB 1501 TGAGACTCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTTAAATTAATTGTAATC 1560
OY 1561 AAGTAAGCTTCCTGGGACAGAAATCAAAAGGGTGGCGCGGGTCTCCAAAGAGCTA 1620
DB 1561 AAGTAAGCTTCCTGGGACAGAAATCAAAAGGGTGGCGCGGGTCTCCAAAGAGCTA 1620
OY 1621 CTAGCTCAGCCCAAGCCCGCTTCGGCCCGCCAGGCGAGCGCGAGAGCTTCAACCGGC 1680
DB 1621 CTAGCTCAGCCCAAGCCCGCTTCGGCCCGCCAGGCGAGCGCGAGAGCTTCAACCGGC 1680
OY 1681 AAGCGCCCGGGAATCTCGGCCCGCGCGAGGGCGCGCGCCCGCGCCCGCCCGCG 1740
DB 1681 AAGCGCCCGGGAATCTCGGCCCGCGCGAGGGCGCGCGCCCGCGCCCGCGCGCG 1740
OY 1741 TGGAGCGGGTCTCCCTGGCGCTTCGGCGCGAGCATGATCAATCAAGGAAAGCGCG 1800
DB 1741 TGGAGCGGGTCTCCCTGGCGCTTCGGCGCGAGCATGATCAATCAAGGAAAGCGCG 1800
OY 1801 GTGGCCGGTGGCGCGCTTCGGGTGGCGCTTCGGCGCGAGCATGATCAAGGAAAGCGCG 1860
DB 1801 GTGGCCGGTGGCGCGCTTCGGGTGGCGCTTCGGCGCGAGCATGATCAAGGAAAGCGCG 1860
OY 1861 CACCGGAGCGCGGCAAGGCGGCAAGCGTGTCTTAGGTCTGTGGCGGCTTCGAGG 1920
DB 1861 CACCGGAGCGCGGCAAGGCGGCAAGCGTGTCTTAGGTCTGTGGCGGCTTCGAGG 1920
OY 1921 CTTTGGCGGCGAGCTAGGGGAGATGCGGAGTCTTCGATTAAGCTCTATCGAGTGAAT 1980
DB 1921 CTTTGGCGGCGAGCTAGGGGAGATGCGGAGTCTTCGATTAAGCTCTATCGAGTGAAT 1980
OY 1981 CGCCAAAGCGGGGCGGCGCTTCGCAAGAAATGACGAGCATCCCAAGAGACTCGCT 2040
DB 1981 CGCCAAAGCGGGCGGCGCTTCGCAAGAAATGACGAGCATCCCAAGAGACTCGCT 2040
OY 2041 CCGGATGGCCATCATGTGTGACAGTGGCGCGCGCTGTGGCGCGCGG 2085
DB 2041 CCGGATGGCCATCATGTGTGACAGTGGCGCGCGCTGTGGCGCGCGG 2085

RESULT 2
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 19.5%; Score 406; DB 13; Length 844;
Best Local Similarity 99.8%; Pred. No. 1.2e-187;
Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1207 CTGGCCCTCAGGAGAGAGACACACTTAAGATTGGGCGCGCGGTAGCTCATGCC 1266
DB 1 CTGGCCCTCAGGAGAGAGACACACTTAAGATTGGGCGCGCGGTAGCTCATGCC 60
OY 1267 CCTGATCCAGCAGCTTCGGGAGGCTGAGCGCTGAAGATCACTTTAGCAGAGTTTGA 1326
DB 61 CTTATCCAGCAGCTTCGGGAGGCTGAGCGCTGAAGATCACTTTAGCAGAGTTTGA 120
OY 1327 CCACTTAAGCCACTTGGCGAGACCTGTCTCAAAAAATTTTTTTTATTTAGCCAG 1386
DB 121 CCACTTAAGCCACTTGGCGAGACCTGTCTCAAAAAATTTTTTTTATTTAGCCAG 180
OY 1387 TTGTGTGAGGCGCTGTGATCTCCAGCTACTCGGAGGCTGAGTGGAGATGCTGGGC 1446
DB 181 TTGTGTGAGGCGCTGTGATCTCCAGCTACTCGGAGGCTGAGTGGAGATGCTGGGC 240
OY 1447 TCAGAGATTCCAGACTGAGTGAAGCAATGATGGCGGCACTGCACTCCAGCGGTGAGAC 1506
DB 241 TCAGAGATTCCAGACTGAGTGAAGCAATGATGGCGGCACTGCACTCCAGCGGTGAGAC 300
OY 1507 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTTAAATTAATTGTAATCAAGTAA 1566
DB 301 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTTAAATTAATTGTAATCAAGTAA 360
OY 1567 GACTTCTTGGGACGAACATCAAAAGGGTGGCGCGGTCTCTCAAAAGACTACTAGCT 1626
DB 361 GACTTCTTGGGACGAACATCAAAAGGGTGGCGCGGTCTCTCAAAAGACTACTAGCT 420
OY 1627 CAGCCCAAGCCCGCGCTTCGGCGCCCGCCAGGGGAGCGGCC 1663
DB 421 CAGCCCAAGCCCGCGCTTCGGCGCCCGCCAGGGGAGCGGCC 457

RESULT 3
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
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; ORGANISM: Human
US-10-027-632-154183

Query Match      19.5%; Score 406; DB 17; Length 844;
Best Local Similarity 99.8%; Pred. No. 1.2e-187;
Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1207 CTGCCCCGAGGAGAGAGACACATTAAAGTTGGGCGCGGCTGTAGTCTATGCC 1266
DB 1 CTGCCCCGAGGAGAGAGAGACACATTAAAGTTGGGCGCGGCTGTAGTCTATGCC 60
QY 1267 CCTGATCCAGACCTTCCGAGAGCTGAGCGCTGGAAGATCATCTTGTAGCAGAGTTTGA 1326
DB 61 CTGATCCAGACCTTCCGAGAGCTGAGCGCTGGAAGATCATCTTGTAGCAGAGTTTGA 120
QY 1337 CCAGCTTACGCACTTGGCGAGACCTCTGCTTAAATAAAATTTTTTTTATATAGCCAG 1386
DB 121 CCAGCTTACGCACTTGGCGAGACCTCTGCTTAAATAAAATTTTTTTTATATAGCCAG 180
QY 1387 TTGTGTGAGCGCCTGTAGTCTCCAGCTTACTCGGAGGCTGAGTGGAGATCGCTGGGC 1446
DB 181 TTGTGTGAGCGCCTGTAGTCTCCAGCTTACTCGGAGGCTGAGTGGAGATCGCTGGGC 240
QY 1447 TCAGAGTTTCCAGATGAGTGAAGGCTGAGGCTGAGCTCCAGCGCGGTGAGAC 1506
DB 241 TCAGAGTTTCCAGATGAGTGAAGGCTGAGGCTGAGCTCCAGCGCGGTGAGAC 300
QY 1507 TCAGCTCTCAAAATTAAGGAGGAGGCTGGGGGTAAATTAATTTGTAATCAAGTAA 1566
DB 301 TCAGCTCTCAAAATTAAGGAGGAGGCTGGGGGTAAATTAATTTGTAATCAAGTAA 360
QY 1567 GACTTCTGGGAGCAGACATCAAAAGGGGTGGCGCTCTCCAAAGAGCTACTAGCT 1626
DB 361 GACTTCTGGGAGCAGACATCAAAAGGGGTGGCGCTCTCCAAAGAGCTACTAGCT 420
QY 1627 CAGCCCAAGCCCGGCTGGCGCCCAAGGGCAGCGGCC 1663
DB 421 CAGCCCAAGCCCGGCTGGCGCCCAAGGGCAGCGGCC 457

RESULT 4
US-10-283-975A-327
; Sequence 327, Application US/10283975A
; Publication No. US20040110792A1
; GENERAL INFORMATION:
; APPLICANT: Ortho-Clinical Diagnostics, Inc.
; TITLE OF INVENTION: Methods For Assessing and Treating Leukemia
; FILE REFERENCE: CDS 293 PCT
; CURRENT APPLICATION NUMBER: US/10/283,975A
; PRIOR FILING DATE: 2002-10-30
; PRIOR APPLICATION NUMBER: 60/340,938
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/338,997
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/340,081
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/341,012
; PRIOR FILING DATE: 2001-10-30
; NUMBER OF SEQ ID NOS: 900
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 327
; LENGTH: 335
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(335)
; OTHER INFORMATION: N=any base
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(335)
; OTHER INFORMATION:
US-10-283-975A-327
```

```
Query Match      8.4%; Score 175; DB 19; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGTGCGTTCGGGCTTCCGAGCTTTGGCGGACGCTAGGAGAGATGCC 1947
DB 46 GTGTTTCTAGTCTGTGCGTTCGGGCTTCCGAGCTTTGGCGGACGCTAGGAGAGATGCC 105
QY 1948 GGAATTCGAGATAGCTTATGAGTCAAGTCAAGAGAGGCGGCGCTCTTGCAA 2007
DB 106 GGAATTCGAGATAGCTTATGAGTCAAGTCAAGAGAGGCGGCGCTCTTGCAA 165
QY 2008 GAAATGAGGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 2062
DB 166 GAAATGAGGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 220

RESULT 5
US-10-723-860-2326
; Sequence 2326, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2326
; LENGTH: 370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-2326

Query Match      8.4%; Score 175; DB 20; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGTGCGTTCGGGCTTCCGAGCTTTGGCGGACGCTAGGAGAGATGCC 1947
DB 129 GTGTTTCTAGTCTGTGCGTTCGGGCTTCCGAGCTTTGGCGGACGCTAGGAGAGATGCC 188
QY 1948 GGAATTCGAGATAGCTTATGAGTCAAGTCAAGAGAGGCGGCGCTCTTGCAA 2007
DB 189 GGAATTCGAGATAGCTTATGAGTCAAGTCAAGAGAGGCGGCGCTCTTGCAA 248
QY 2008 GAAATGAGGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 2062
DB 249 GAAATGAGGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 303

RESULT 6
US-09-918-995-5037
; Sequence 5037, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
```

```
/ SEQ ID NO 5037
/ LENGTH: 394
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-918-995-5037
```

```
Query Match      8.4%; Score 175; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 1947
DB 76 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 135
QY 1948 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 2007
DB 136 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 195
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 2062
DB 196 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 250
```

```
RESULT 7
US-09-960-253-117
```

```
/ Sequence 117, Application US/09960253
/ Patent No. US20020123619A1
```

```
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Benson, Darin R.
```

```
/ APPLICANT: Mohamath, Raodoh
```

```
/ APPLICANT: Lodes, Michael J.
```

```
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
```

```
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
```

```
/ FILE REFERENCE: 210121.556
```

```
/ CURRENT APPLICATION NUMBER: US/09/960,253
```

```
/ CURRENT FILING DATE: 2001-09-20
```

```
/ NUMBER OF SEQ ID NOS: 187
```

```
/ SOFTWARE: FastSeq for Windows Version 4.0
```

```
/ SEQ ID NO 117
```

```
/ LENGTH: 398
```

```
/ TYPE: DNA
```

```
/ ORGANISM: Homo sapiens
```

```
US-09-960-253-117
```

```
Query Match      8.4%; Score 175; DB 9; Length 398;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 1947
DB 73 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 132
QY 1948 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 2007
DB 133 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 192
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 2062
DB 193 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 247
```

```
RESULT 8
US-09-833-790-349
```

```
/ Sequence 349, Application US/09833790
/ Patent No. US20020068288A1
```

```
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Lodes, Michael J.
```

```
/ APPLICANT: Wang, Tonglong
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/ APPLICANT: Secrist, Heather
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/ APPLICANT: Mohamath, Raodoh
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/ APPLICANT: Indritas, Carol Y.
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/ APPLICANT: Fan, Liqun
```

```
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
```

```
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.512
/ CURRENT APPLICATION NUMBER: US/09/833,790
/ CURRENT FILING DATE: 2001-04-11
/ NUMBER OF SEQ ID NOS: 440
/ SOFTWARE: FastSeq for Windows Version 4.0
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```
/ SEQ ID NO 349
/ LENGTH: 521
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-833-790-349
```

```
Query Match      8.4%; Score 175; DB 9; Length 521;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 1947
DB 52 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 111
QY 1948 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 2007
DB 112 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 171
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 2062
DB 172 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 226
```

```
RESULT 9
US-09-960-253-107
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```
/ Sequence 107, Application US/09960253
/ Patent No. US20020123619A1
```

```
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Benson, Darin R.
```

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/ APPLICANT: Mohamath, Raodoh
```

```
/ APPLICANT: Lodes, Michael J.
```

```
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
```

```
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
```

```
/ FILE REFERENCE: 210121.556
```

```
/ CURRENT APPLICATION NUMBER: US/09/960,253
```

```
/ CURRENT FILING DATE: 2001-09-20
```

```
/ NUMBER OF SEQ ID NOS: 187
```

```
/ SOFTWARE: FastSeq for Windows Version 4.0
```

```
/ SEQ ID NO 107
```

```
/ LENGTH: 665
```

```
/ TYPE: DNA
```

```
/ ORGANISM: Homo sapiens
```

```
US-09-960-253-107
```

```
Query Match      8.4%; Score 175; DB 9; Length 665;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 1947
DB 109 GTGTTCTAGTCTGTCGCGCTTCGCGAGCTTTGGCGGACGCTAGGAGGATGGC 168
QY 1948 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 2007
DB 169 GGAGCTTCGAGTAAGCTCTATCGAGTCGAGTACCGCAAGCGGCGGCGCTTTGCA 228
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 2062
DB 229 GAAATGCAGCAGAGCATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGCAG 283
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```
RESULT 10
US-09-960-253-106
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```
/ Sequence 106, Application US/09960253
/ Patent No. US20020123619A1
```

```
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Benson, Darin R.
```

```

; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 106
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-106
```

Query Match 8.4%; Score 175; DB 9; Length 722;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;

Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTGTTCTAGGTCGTGCGCGCTTCGCGAGCTTTGGCGGACGTAAGGAGATGCG 1947
    |||||
DB 124 GTGTTCTAGGTCGTGCGCGCTTCGCGAGCTTTGGCGGACGTAAGGAGATGCG 183
    |||||
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGCCCAAGAGCGGCGCCTCTTGCAA 2007
    |||||
DB 184 GGAAGCTTCGATAAGCTCTATCGAGTGAAGCCCAAGAGCGGCGCCTCTTGCAA 243
    |||||
QY 2008 GAAATGACGAGAGACATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTCAG 2062
    |||||
DB 244 GAAATGACGAGAGACATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTCAG 238
    |||||
```

RESULT 11

US-10-084-817-316

; Sequence 316, Application US/10084817

; Publication No. US20030119009A1

; GENERAL INFORMATION:

; APPLICANT: Susan Stuart

; APPLICANT: Jed G. Nuchtern

; APPLICANT: Sharon E. Plon

; APPLICANT: Jason M. Shohet

; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION

; FILE REFERENCE: PA-0046 US

; CURRENT APPLICATION NUMBER: US/10/084,817

; CURRENT FILING DATE: 2002-02-25

; PRIOR APPLICATION NUMBER: 60/270,784

; PRIOR FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 365

; SOFTWARE: PERL Program

; SEQ ID NO: 316

; LENGTH: 3686

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CB1

US-10-084-817-316

Query Match 8.4%; Score 175; DB 15; Length 3686;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;

Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTGTTCTAGGTCGTGCGCGCTTCGCGAGCTTTGGCGGACGTAAGGAGATGCG 1947
    |||||
DB 116 GTGTTCTAGGTCGTGCGCGCTTCGCGAGCTTTGGCGGACGTAAGGAGATGCG 175
    |||||
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGCCCAAGAGCGGCGCCTCTTGCAA 2007
    |||||
DB 176 GGAAGCTTCGATAAGCTCTATCGAGTGAAGCCCAAGAGCGGCGCCTCTTGCAA 235
    |||||
QY 2008 GAAATGACGAGAGACATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTCAG 2062
    |||||
DB 236 GAAATGACGAGAGACATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTCAG 290
    |||||
```

RESULT 12

US-09-864-864-300

; Sequence 300, Application US/09864864

; Patent No. US20020102679A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Dillon, Davin C.

; APPLICANT: Secrist, Heather

; APPLICANT: Lodes, Michael J.

; APPLICANT: Algate, Paul A.

; APPLICANT: Fling, Steve P.

; APPLICANT: Mannion, Jane

; APPLICANT: Benson, Darin R.

; APPLICANT: Carter, Darick

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.523

; CURRENT APPLICATION NUMBER: US/09/864,864

; CURRENT FILING DATE: 2001-05-23

; NUMBER OF SEQ ID NOS: 341

; SOFTWARE: Corixa Invention Disclosure Database

; SEQ ID NO: 300

; LENGTH: 3859

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-864-864-300

Query Match 8.4%; Score 175; DB 9; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;

Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTGTTCTAGGTCGTGCGCGCTTCGCGAGCTTTGGCGGACGTAAGGAGATGCG 1947
    |||||
DB 105 GTGTTCTAGGTCGTGCGCGCTTCGCGAGCTTTGGCGGACGTAAGGAGATGCG 164
    |||||
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGCCCAAGAGCGGCGCCTCTTGCAA 2007
    |||||
DB 165 GGAAGCTTCGATAAGCTCTATCGAGTGAAGCCCAAGAGCGGCGCCTCTTGCAA 224
    |||||
QY 2008 GAAATGACGAGAGACATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTCAG 2062
    |||||
DB 225 GAAATGACGAGAGACATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTCAG 279
    |||||
```

RESULT 13

US-10-097-340-3

; Sequence 3, Application US/10097340

; Publication No. US20030087250A1

; GENERAL INFORMATION:

; APPLICANT: John MONAHAN

; APPLICANT: Manjula GANNAVAPU

; APPLICANT: Sebastian HOERSCH

; APPLICANT: Shubhangi KAMATKAR

; APPLICANT: Steve G. KOVATS

; APPLICANT: Rachel E. MEYERS

; APPLICANT: Michael MORRISSEY

; APPLICANT: Peter OLANDT

; APPLICANT: Ami SEN

; APPLICANT: Peter VERIBY

; APPLICANT: Gordon B. MILLS

; APPLICANT: Robert C. BAST, Jr.

; APPLICANT: Karen LU

; APPLICANT: Rosemarie SCHMANDT

; APPLICANT: Xumei ZHAO

; APPLICANT: Karen GLATT

; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
Assessment, Prevention, and Therapy of Ovarian Cancer

; FILE REFERENCE: MRI-030

; CURRENT APPLICATION NUMBER: US/10/097,340

;; CURRENT FILING DATE: 2002-03-14
;; PRIOR APPLICATION NUMBER: 60/276,025
;; PRIOR FILING DATE: 2001-03-14
;; PRIOR APPLICATION NUMBER: 60/325,149
;; PRIOR FILING DATE: 2001-09-26
;; PRIOR APPLICATION NUMBER: 60/276,026
;; PRIOR FILING DATE: 2001-03-14
;; PRIOR APPLICATION NUMBER: 60/324,967
;; PRIOR FILING DATE: 2001/09/26
;; PRIOR APPLICATION NUMBER: 60/311,732
;; PRIOR FILING DATE: 2001-08-10
;; PRIOR APPLICATION NUMBER: 60/325,102
;; PRIOR FILING DATE: 2001-09-26
;; PRIOR APPLICATION NUMBER: 60/323,580
;; PRIOR FILING DATE: 2001-09-19
;; NUMBER OF SEQ ID NOS: 363
;; SOFTWARE: FaastSeq for Windows Version 4.0
;; SEQ ID NO 3
;; LENGTH: 3859
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-097-340-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTCTGCGGCGCTTCGGAGCTTTGGCGGAGCTAGGAGATGGC 1947
DB 105 GTGTTCTAGTCTGCGGCGCTTCGGAGCTTTGGCGGAGCTAGGAGATGGC 164
QY 1948 GGAGCTTCGATAGCTCTATCGAGTCGATACGCAAGAGCGGCGCCTTTGCA 2007
DB 165 GGAGCTTCGATAGCTCTATCGAGTCGATACGCAAGAGCGGCGCCTTTGCA 224
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 2062
DB 225 GAAATGCAGCAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 279

RESULT 14
US-10-163-587A-3
;; Sequence 3, Application US/10163587A
;; Publication No. US20030096263A1
;; GENERAL INFORMATION:
;; APPLICANT: Oliveira, Marcos
;; TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
;; FILE REFERENCE: 50229-306
;; CURRENT APPLICATION NUMBER: US/10/163,587A
;; CURRENT FILING DATE: 2003-01-10
;; PRIOR APPLICATION NUMBER: 60/296,110
;; PRIOR FILING DATE: 2001-06-07
;; NUMBER OF SEQ ID NOS: 40
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 3
;; LENGTH: 3859
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (160)..(3204)
;; OTHER INFORMATION:
US-10-163-587A-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTCTGCGGCGCTTCGGAGCTTTGGCGGAGCTAGGAGATGGC 1947
DB 105 GTGTTCTAGTCTGCGGCGCTTCGGAGCTTTGGCGGAGCTAGGAGATGGC 164
QY 1948 GGAGCTTCGATAGCTCTATCGAGTCGATACGCAAGAGCGGCGCCTTTGCA 2007

DB 165 GGAGCTTCGATAGCTCTATCGAGTCGATACGCAAGAGCGGCGCCTTTGCA 224
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 2062
DB 225 GAAATGCAGCAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 279

RESULT 15
US-10-334-143-100
;; Sequence 100, Application US/10334143
;; Publication No. US20040009549A1
;; GENERAL INFORMATION:
;; APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
;; APPLICANT: SUDARSANAM, SUCHA
;; TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
;; FILE REFERENCE: 038602/1543
;; CURRENT APPLICATION NUMBER: US/10/334,143
;; CURRENT FILING DATE: 2002-12-31
;; PRIOR APPLICATION NUMBER: 60/343,169
;; PRIOR FILING DATE: 2001-12-31
;; NUMBER OF SEQ ID NOS: 207
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 100
;; LENGTH: 3861
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-334-143-100

Query Match 8.4%; Score 175; DB 17; Length 3861;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTCTGCGGCGCTTCGGAGCTTTGGCGGAGCTAGGAGATGGC 1947
DB 107 GTGTTCTAGTCTGCGGCGCTTCGGAGCTTTGGCGGAGCTAGGAGATGGC 166
QY 1948 GGAGCTTCGATAGCTCTATCGAGTCGATACGCAAGAGCGGCGCCTTTGCA 2007
DB 167 GGAGCTTCGATAGCTCTATCGAGTCGATACGCAAGAGCGGCGCCTTTGCA 226
QY 2008 GAAATGCAGCAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 2062
DB 227 GAAATGCAGCAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 281

RESULT 16
US-10-723-860-6526
;; Sequence 6526, Application US/10723860
;; Publication No. US20040253606A1
;; GENERAL INFORMATION:
;; APPLICANT: Aziz, Natsaba
;; APPLICANT: Gineburg, Wendy M.
;; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
;; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
;; FILE REFERENCE: 05882, 0193, NUS01
;; CURRENT APPLICATION NUMBER: US/10/723,860
;; CURRENT FILING DATE: 2003-11-26
;; PRIOR APPLICATION NUMBER: 60/429,739
;; PRIOR FILING DATE: 2002-11-26
;; NUMBER OF SEQ ID NOS: 8393
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 6526
;; LENGTH: 4100
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-723-860-6526

Query Match 8.4%; Score 175; DB 20; Length 4100;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1888	GTGTTTCTAGAGTCGCGGCGTGGGCTTCCGAGCTTTGGCCGACGTAAGGGAGATGGC	1947
Db	118	GTGTTTCTAGAGTCGCGGCGTGGGCTTCCGAGCTTTGGCCGACGTAAGGGAGATGGC	177
Qy	1948	GGAGCTTCGGATAAGCTCTATCGAGTGGAGTACGCGGAGCGCGCTCTTGCAA	2007
Db	178	GGAGCTTCGGATAAGCTCTATCGAGTGGAGTACGCGGAGCGCGCTCTTGCAA	237
Qy	2008	GAATTCGACGAGACATCCCAAGGATCTCGTCCGAGTGGCCATCATGTCAG	2062
Db	238	GAATTCGACGAGACATCCCAAGGATCTCGTCCGAGTGGCCATCATGTCAG	292

```

RESULT 17
US-10-181-447A-43
Sequence 43, Application US/10181447A
Publication No. US20030180738A1
GENERAL INFORMATION:
APPLICANT: The No. US20030180738A1Ingham Trent University
TITLE OF INVENTION: Cancer Associated Genes and their Products
FILE REFERENCE: NO. US20030180738A1Ingham Trent Uni
CURRENT APPLICATION NUMBER: US/10/181.447A
PRIORITY FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: PCT/SB/01/000188
PRIOR FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: G500000993.6
PRIOR FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 43
LENGTH: 396
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(396)
OTHER INFORMATION: n = g, a, t, or c
US-10-181-447A-43

```

	Query Match	6.5%: Score 136; DB 16;	Length 396;
	Best Local Similarity	100.0%; Pred. No. 1.3e-55;	
	Matches 136; Conservative 0;	Mismatches 0;	Indels 0; Gaps 0;
QY	1927	CGGACGCTAGGGGAGAGATGCGGAGCTTCCGATTAAGCTCTATCGAGTCGAGTACGCCAA	1986
Db	94	CGGACGCTAGGGGAGAGATGCGGAGCTTCCGATTAAGCTCTATCGAGTCGAGTACGCCAA	153
QY	1987	GAGCGGGCGGCCCTTTTGCAAGAAATGACGAGAGCATCCCAAGACTCGCTCCGAT	2046
Db	154	GAGCGGGCGGCCCTTTTGCAAGAAATGACGAGAGCATCCCAAGACTCGCTCCGAT	213
QY	2047	GGCCATCATGGTGCAG	2062
Db	214	GGCCATCATGGTGCAG	229

RESULT 18
US-09-292-758-144
Sequence 144, Application US/09292758
Publication No. US20020197602A1
GENERAL INFORMATION:
APPLICANT: Burnet, Glenna C.
APPLICANT: Brown, Joseph P.
APPLICANT: Lifespan Biosciences, Inc.
TITLE OF INVENTION: Nucleic Acid Sequences and Proteins
TITLE OF INVENTION: Associated With Aging
FILE REFERENCE: 017473-001110US
CURRENT APPLICATION NUMBER: US/09/292,758
CURRENT FILING DATE: 1999-04-14
EARLIER APPLICATION NUMBER: US 60/081,887
EARLIER FILING DATE: 1998-04-15
NUMBER OF SEQ ID NOS: 147

```

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 144
; LENGTH: 3640
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-292-758-144

```

	Query Match	Similarity	6.0%;	Score 126;	DB 9;	Length 3640;
	Best Local	Similarity	100.0%;	Pred. No. 9.6e-51;		
	Matches	126;	Conservative	0;	Mismatches	0;
					Indels	0;
					Gaps	0;
Qy	1937	GGAGGATGGCGGAGCTCTTCGGATMACTTCATCGATCGAGTACGCCCAAGAGCGGGCGC	1936			
Db	134	GGAGGATGGCGGAGCTCTTCGGATMACTTCATCGATCGAGTACGCCCAAGAGGGGGCGC	193			
Qy	1997	GCTCTTTCGAAGAAATGCAGCGAGAGCATCCCCAGAAGCTTCGCTCCGATGGCCATCATG	2056			
Db	194	GCTCTTTCGAAGAAATGCAGCGAGAGCATCCCCAGAAGCTTCGCTCCGATGGCCATCATG	253			
Qy	2057	GTGCGAG	2062			
Db	254	GTGCGAG	259			

```

RESULT 19
US-10-171-581-124
; Sequence 124, Application US/10171581
; Publication No. US20030104426A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: Linsley, Peter
; APPLICANT: Mao Mao
; TITLE OF INVENTION: Signature Genes in Chronic Myelogenous Leukemia
; FILE REFERENCE: 9301-157-999
; CURRENT APPLICATION NUMBER: US/10/171,581
; CURRENT FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 60/298,914
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 366
; SEQ ID NO 124
; LENGTH: 3795
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE accession number: J03473
; DATABASE entry date: 2001-06-18
; US-10-171-581-124

```

	Query Match	5.9%;	Score 124;	DB 15;	Length 3795;
	Best Local Similarity	99.4%;	Pred. No. 9,2e-50;		
	Matches 174;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps	0;
Qy	1888	GTGTTTCTAGGTCGTGCGCTCGGGCTTCCGAGCTTTGGCGGCAGCTAGGGGAGAGATGC	1947		
Db	41	GTGTTTCTAGGTCGTGCGCTCGGGCTTCCGAGCTTTGGCGGCAGCTAGGGGAGATGC	100		
Qy	1948	GGAAGCTTTCGAGTAAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTTTGCCAA	2007		
Db	101	GGAAGCTTTCGAGTAAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTTTGCCAA	160		
Qy	2008	GAAATGACGAGAGAGCATCCCCCAAGAGCTGGCTCCGATGGCCATCATGTGTGACG	2062		
Db	161	GAAATGACGAGAGAGCATCCCCCAAGAGCTGGCTCCGATGGCCATCATGTGTGACG	215		

RESULT 20
US-10-363-378-24
Sequence 24, Application US/10369378
Publication No. US20030170859A1
GENERAL INFORMATION:
APPLICANT: Christenson, Erik
Dewegalo, Anthony J
APPLICANT: Goldman, Phyllis S


```

/ APPLICANT: McElligott, David L
/ TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
/ FILE REFERENCE: 27866/36544
/ CURRENT APPLICATION NUMBER: US/10/369,378
/ PRIOR FILING DATE: 2003-02-19
/ PRIOR APPLICATION NUMBER: US/09/596,248D
/ PRIOR FILING DATE: 2000-06-16
/ PRIOR APPLICATION NUMBER: 60/139,543
/ PRIOR FILING DATE: 1999-06-16
/ NUMBER OF SEQ ID NOS: 68
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 24
/ LENGTH: 3045
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(3045)
/ OTHER INFORMATION:
US-10-369-378-24

```

```

Query Match      5.8%; Score 120; DB 16; Length 3045;
Best Local Similarity 100.0%; Pred. No. 8.3e-48;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1943 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACCGCAAGCGGCGGCTCT 2002
        |||||
        1 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACCGCAAGCGGCGGCTCT 60

```

```

DB      2003 TGCAGAAATGCGAGCGAGCATCCCAAGAGCTCGCTCCGATGCGCATCATGTGCG 2062
        |||||
        61 TGCAGAAATGCGAGCGAGCATCCCAAGAGCTCGCTCCGATGCGCATCATGTGCG 120

```

```

RESULT 21
US-10-199-937-136
/ Sequence 136, Application US/10199937
/ Publication No. US2003019079A1
/ GENERAL INFORMATION:
/ APPLICANT: Christenson, Erik
/ APPLICANT: Demaggio, Anthony J.
/ APPLICANT: Goldman, Phyllis S.
/ APPLICANT: McElligott, David L.
/ TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS
/ FILE REFERENCE: 27866/36559
/ CURRENT APPLICATION NUMBER: US/10/199,937
/ CURRENT FILING DATE: 2002-07-22
/ PRIOR APPLICATION NUMBER: US/09/506,035
/ PRIOR FILING DATE: 2000-06-28
/ PRIOR APPLICATION NUMBER: 60/141,582
/ PRIOR FILING DATE: 1999-06-29
/ NUMBER OF SEQ ID NOS: 178
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 136
/ LENGTH: 3045
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(3042)
US-10-199-937-136

```

```

Query Match      5.8%; Score 120; DB 16; Length 3045;
Best Local Similarity 100.0%; Pred. No. 8.3e-48;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1943 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACCGCAAGCGGCGGCTCT 2002
        |||||
        1 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACCGCAAGCGGCGGCTCT 60
DB      2003 TGCAGAAATGCGAGCGAGCATCCCAAGAGCTCGCTCCGATGCGCATCATGTGCG 2062
        |||||

```

```

DB      61 TGCAGAAATGCGAGCGAGCATCCCAAGAGCTCGCTCCGATGCGCATCATGTGCG 120

```

```

RESULT 22
US-09-925-300-831
/ Sequence 831, Application US/09925300
/ Patent No. US20020151681A1
/ GENERAL INFORMATION:
/ APPLICANT: Craig Rosen,
/ APPLICANT: Steve Ruben,
/ TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
/ FILE REFERENCE: PA101
/ CURRENT APPLICATION NUMBER: US/09/925,300
/ CURRENT FILING DATE: 2001-08-10
/ PRIOR APPLICATION NUMBER: PCT/US00/05988
/ PRIOR FILING DATE: 2000-03-08
/ PRIOR APPLICATION NUMBER: 60/124,270
/ PRIOR FILING DATE: 1999-03-12
/ NUMBER OF SEQ ID NOS: 1890
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 831
/ LENGTH: 385
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (98)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (142)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (274)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (322)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (356)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (358)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (373)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (374)
/ OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-831

```

```

Query Match      4.3%; Score 89; DB 9; Length 385;
Best Local Similarity 100.0%; Pred. No. 1.3e-32;
Matches 89; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1933 CTAGGGAGAGATGGGAGGAGTCTTCGATAAGCTCTATCGAGTGAAGTACCGCAAGCGG 1992
        |||||
        159 CTAGGGAGAGATGGGAGGAGTCTTCGATAAGCTCTATCGAGTGAAGTACCGCAAGCGG 218

```

```

DB      1993 GCGGCGCTCTTGCAAGAAATGCGAGGAGA 2021
        |||||
        219 GCGGCGCTCTTGCAAGAAATGCGAGGAGA 247

```

```

RESULT 23
US-10-369-378-46
/ Sequence 46, Application US/10369378
/ Publication No. US20030170859A1
/ GENERAL INFORMATION:
/ APPLICANT: Christenson, Erik
/ APPLICANT: Demaggio, Anthony J
/ APPLICANT: Goldman, Phyllis S
/ APPLICANT: McElligott, David L

```

```

; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; TITLE OF INVENTION: Methods
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/10/369,378
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: US/09/596,248D
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 3200
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: hPAP1/hPAP2
; US-10-369-378-46

```

```

Query Match          3.4%; Score 71; DB 16; Length 3200;
Best Local Similarity 100.0%; Pred. No. 7.6e-24;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1943 ATGGCGAGTCTTCGATTAAGCTCTATCGAGTCGAGTACGCCAAGCGGCGGCGCTCT 2002
    |||||
Db 109 ATGGCGAGTCTTCGATTAAGCTCTATCGAGTCGAGTACGCCAAGCGGCGGCGCTCT 168
    |||||
Qy 2003 TGCAGAAATG 2013
    |||||
Db 169 TGCAGAAATG 179
    |||||

```

```

RESULT 24
US-10-199-937-177
; Sequence 177, Application US/10199937
; Publication No. US20030190739A1
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J.
; APPLICANT: Goldman, Phyllis S.
; APPLICANT: McElligott, David L.
; TITLE OF INVENTION: TANKRASE2 MATERIALS AND METHODS
; FILE REFERENCE: 27866/36559
; CURRENT APPLICATION NUMBER: US/10/199,937
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/09/606,035
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/141,582
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 177
; LENGTH: 3308
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Parp1a-Tank2b
; OTHER INFORMATION: Fusion
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3297)
; US-10-199-937-177

```

```

Query Match          3.4%; Score 71; DB 16; Length 3308;
Best Local Similarity 100.0%; Pred. No. 7.6e-24;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1943 ATGGCGAGTCTTCGATTAAGCTCTATCGAGTCGAGTACGCCAAGCGGCGGCGCTCT 2002
    |||||
Db 109 ATGGCGAGTCTTCGATTAAGCTCTATCGAGTCGAGTACGCCAAGCGGCGGCGCTCT 168
    |||||
Qy 2003 TGCAGAAATG 2013
    |||||

```

```

Db 169 TGCAGAAATG 179
    |||||

```

```

RESULT 25
US-10-087-192-370/c
; Sequence 370, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 52945200122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 370
; LENGTH: 35236
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(35236)
; OTHER INFORMATION: n = A,T,C or G
; US-10-087-192-370

```

```

Query Match          2.5%; Score 52; DB 13; Length 35236;
Best Local Similarity 100.0%; Pred. No. 1.4e-14;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 306 GGTTCGCAATGTTGTCAGGCTGCTTGAATCTCTGGGCTCAAGGATCC 357
    |||||
Db 31699 GGTTCGCAATGTTGTCAGGCTGCTTGAATCTCTGGGCTCAAGGATCC 31648
    |||||

```

```

Search completed: September 6, 2005, 11:05:15
Job time : 6682 secs

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